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In a real-time digital signal processing (DSP) process, the analyzed (input) and generated (output) samples can be processed (or generated) continuously in the time it takes to input and output the same set of samples independent of the processing delay.

Real-time computing - Wikipedia

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DSP | Applications | Processors | TI.com

Digital Signal Processing Questions Q1. Distinguish Between Linear Convolution And Circular Convolution Of Two Sequences? Linear convolution: If  $x(n)$  is a sequence of  $L$  number of samples and  $h(n)$  with  $M$  number of samples, after convolution  $y(n)$  will have  $N=L+M-1$  samples. It can be used to find the response of a linear filter.

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